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**Loudspeaker**

Veröffentlichungsnr. (Sek.) ☐ US4252211  
Veröffentlichungsdatum : 1981-02-24  
Erfinder : MATSUDA ATSUSHI; KISHIGAMI JUN  
Anmelder :: SONY CORP  
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**Bibliographische Daten**

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A loudspeaker includes a flat plate diaphragm mounted in a speaker frame and which is driven by a plurality of magnetic drivers each having a magnetic gap, a voice coil bobbin connected to the diaphragm at a respective node portion of the divided vibration mode and a voice coil in the respective magnetic gap and being wound around the voice coil bobbin therein. Rotational vibration of the diaphragm is prevented by a pole member which is connected from the center of the diaphragm to a damper supported behind the speaker frame on a damper supporting frame. The leverage due to the longer length of the pole member makes the damper member more effective in resisting rotational vibration. The damper supporting frame is mechanically connected to the speaker frame and/or magnetic drivers to add stiffness to the structure.

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